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	Sat. I.		Sat. II.		Sat. III.		Sat. IV.	
	γ_1	Γ_1	γ_2	Γ_2	γ_3	Γ_3	γ_4	Γ_4
1878.	°	°	°	°	°	°	°	°
Feb. 24	0·0097	30·8	0·4553	37·42	0·1942	271·14	0·3254	330·22
April 25	97	28·7	·4559	35·40	·1936	270·60	·3250	330·12
June 24	96	26·6	·4566	33·37	·1930	270·08	·3247	330·01
Aug. 23	96	24·4	·4573	31·35	·1924	269·58	·3245	329·90
Oct. 22	96	22·1	·4581	29·32	·1918	269·10	·3244	329·80
Dec. 21	0·0096	19·7	0·4589	27·29	0·1913	268·64	0·3245	329·70

Correction to the Ephemeris of the Satellites of Uranus.

On page 97 the values of the position angles p_0 are, by mistake, wrongly given. The correct values are as much above 10° as the printed ones are below 10°, or the true values are found by subtracting the printed ones from 20°. Thus

	°		°
For	8·13	*read*	11·87
„	8·19	„	11·81
*	*	*	*
„	8·95	„	11·05.

Observations of Occultations of Stars by the Moon, and of Phenomena of Jupiter's Satellites, made at the Royal Observatory, Greenwich, in the year 1877.

(*Communicated by the Astronomer Royal.*)

Occultations of Stars by the Moon.

Day of Obs.	Phenomenon.	Telescope.	Power.	Moon's Limb.	Mean Solar Time of Observation.			Observer.
1877.					h	m	s	
Jan. 30	Reapp. of 45 Leonis	Altaz.	100	Dark	9	15	50·3	A.D.
„	Disapp. of ρ Leonis	„	„	Bright	10	51	19·4	„
„	Reapp. of ρ Leonis	„	„	Dark	11	57	2·8	„
Feb. 26	Disapp. of Regulus	E. Eq.	140	„	12	45	43·8	M.
„ (*a*)	„ „	S.E. Eq.	285	„	12	45	44·0	W.C.
„	„ „	Altaz.	100	„	12	45	44·3	A.D.
Mar. 21	„ Piazzi V. 136	„	„	„	10	20	31·9	T.
Nov. 20 (*b*)	„ 19 Tauri	S.E. Eq.	130	Bright	7	42	19·7	M.
„ (*c*)	„ 20 Tauri	„	„	„	7	49	40·0	„
„	Reapp. of 17 Tauri	„	„	„	8	10	31·1	„
„	„ 19 Tauri	„	60	„	8	39	10·9	„
„ (*d*)	„ 20 Tauri	„	„	„	8	55	55·5	„

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Phenomena of Jupiter's Satellites.

Day of Obs.	Satellite.	Phenomenon.	Telescope.	Power.	Mean Solar Time of Observation.			Mean Solar Time from *N.A.*			Observer.
					h	m	s	h	m	s	
1877.											
May 7 (*e*)	II	Occ. reapp. bisection	S.E. Eq.	220	13	4	25·1				M.
„	II	„ last cont.	„	„	13	6	27·8				„
„ (*f*)	II	„ first cont.	E. Eq.	70	13	1	0·4	13	0		L.
„	II	„ bisection	„	„	13	2	36·5				„
„	II	„ last cont.	„	„	13	5	32·4				„
June 20 (*g*)	I	Tr. ing. last contact	„	140	10	48	36·7	10	50		T.
July 20	I	„ first contact	„	„	12	13	24·7	12	16		A.D.
„	I	„ last contact	„	„	12	16	34·2				„
24 (*h*)	II	Occ. disapp. last cont.	„	„	11	12	11·3	11	11		„
26 (*i*)	II	Tr. egr. bisection	„	„	9	2	38·0	9	3		B.D.
„	II	„ last contact	„	„	9	5	47·5				„
29 (*k*)	I	„ first contact	„	„	10	42	38·0	10	45		C.
„	I	„ bisection	„	„	10	43	37·8				„
„	I	„ last contact	„	„	10	45	7·6				„
30	I	Ecl. reapp. first seen	S.E. Eq.	285	8	56	32·1	8	56	37	M.
„	I	„ full brightness	„	„	8	56	57·1				„
„	I	„ full brightness	E. Eq.	140	8	57	0·9				R.
Sept. 5	II	Ecl. reappearance	„	„	7	14	1·2	7	14	36	J.B.

Notes.

(*a*) The star disappeared instantaneously; sky cloudy.
(*b*) The Moon's limb was exceedingly tremulous. The star was lost to view several times before reaching the limb, and finally disappeared in a hollow.
(*c*) The time of disappearance was very difficult to ascertain, owing to the glare of the Moon, which was sensibly full.
(*d*) The Moon's limb was fairly steady.
(*e*) *Jupiter* was very tremulous, and the limb badly defined.
(*f*) Image bad; the observation very unsatisfactory.
(*g*) The definition of the planet was bad, owing to light cloud.
(*h*) The observation unsatisfactory; a diffused light round *Jupiter*.
(*i*) *Jupiter* very tremulous, and the observation uncertain.
(*k*) Image bad.

The clear aperture of the object-glass of the S.E. Equatoreal is 12¾ inches, of the East Equatoreal 6·7 inches, and of the Altazimuth 3¾ inches.

The initials W.C., L., C., A.D., M., T., B.D., R., and J.B. are those of Mr. Christie, Mr. Lynn, Mr. Criswick, Mr. Downing, Mr. Maunder, Mr. Thackeray, Mr. Dennison, Mr. Robinson, and Mr. Bromley.

Royal Observatory, Greenwich,
1878, *February* 13.

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